GALORE MAHANAGARA PALIKE

Ward 15, Dasarahalli

AME OF WORK	Improvements & re-asphalting road from NH4 to Nelamaheshwari temple road 2nd & 3rd main Kempegowda nagara in Dasarahalli W.No-15.	
Estimated Cost	30.00	Lakhs

Sl.No.	Description of work	Measurments					Qty	Unit	Rate	Amount
		No.s		L	B	D				
1	Removing B.S slab of drain and stacking (PWD SR 2016-17, Page No.25, Item No. 5.32)									
	Driver shankarappa house road	1	2	80.00	0.90		144.00			
	3rd main kempegowda nagara	1	2	200.00	0.90		360.00			
	2nd main kempegowda nagara	1	2	170.00	0.90		306.00			
	Saw mill cross road	1	2	165.00	0.90		297.00			
	Saw mill cross road	1	2	160.00	0.90		288.00			
	Saw mill cross road	1	2	64.00	0.90		115.20			
	KK road	1	2	470.00	0.90		846.00			
							2356.20			
	deduct :5% missings						117.81			
						Total qty.	**2238.39**	sqm	65.72	147107.00
2	Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2016-17, Page No.142, Item No. 19.1) including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work									
	Desilting									
	Driver shankarappa house road	1	2	80.00	0.50	0.50	40.00			
	3rd main kempegowda nagara	1	2	200.00	0.50	0.50	100.00			
	2nd main kempegowda nagara	1	2	170.00	0.50	0.50	85.00			
	Saw mill cross road	1	2	165.00	0.50	0.40	66.00			
	Saw mill cross road	1	2	160.00	0.50	0.50	80.00			
	Saw mill cross road	1	2	64.00	0.50	0.50	32.00			
	KK road	1	2	470.00	0.50	0.40	188.00			
							0.00			
	BWSSB cutting									
	Driver shankarappa house road	1	1	80.00	1.00	0.30	24.00			
	3rd main kempegowda nagara	1	1	200.00	1.00	0.30	60.00			
	2nd main kempegowda nagara	1	1	170.00	1.00	0.30	51.00			
						Total qty.	**726.00**	cum	170.92	124088.
3	Refixing stone slabs of drains and pointing in CM 1:3 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWD SR 2016-17, Page No.25, Item No. 5.33)									

							2238.39			
						Total qty.	2238.39	sqm	80.56	180325.00
	supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone									
	missing slabs	Qty vide item No.1					117.81			
						Total qty.	117.81	sqm	1600.00	188496.00
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.Page No 149/ Item No. 19.64 PWD SR 2016-17									
	BWSSB cutting									
	Driver shankarappa house road	1	1	80.00	1.00		80.00			
	3rd main kempegowda nagara	1	1	200.00	1.00		200.00			
	2nd main kempegowda nagara	1	1	170.00	1.00		170.00			
						Total qty.	450.00	sqm	5.30	2385.00
6	KSRRB M400-1 For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2016-17									
	BWSSB cutting									
	Driver shankarappa house road	1	1	80.00	1.00	0.15	12.00			
	3rd main kempegowda nagara	1	1	200.00	1.00	0.15	30.00			
	2nd main kempegowda nagara	1	1	170.00	1.00	0.15	25.50			
						Total qty.	67.50	cum	1518.98	102531.00
7	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications. MORTH Specification No.406 [P.No.158- It.No20.18]									
	Driver shankarappa house road	1	1	80.00	1.00	0.15	12.00			
	3rd main kempegowda nagara	1	1	200.00	1.00	0.15	30.00			
	2nd main kempegowda nagara	1	1	170.00	1.00	0.15	25.50			
						Total qty.	67.50	cum	1768.08	119345.00
8	Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of .60kg /sqm using mechanial means complete as per Specifications. (Pg.no.160, It.no.21.6)									
	Driver shankarappa house road	1	1	80.00	1.00		80.00			

	main kempego nagara	1	1	200.00	1.00		200.00			
	main kempegowda nagara	1	1	170.00	1.00		170.00			
						Total qty.	450.00	sqm	27.56	12402.00
	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.(Pg No.160 It. No.21.7)									
	Driver shankarappa	1	1	80.00	1.00		80.00			
	3rd main kempegowda	1	1	200.00	1.00		200.00			
	2nd main kempegowda	1	1	170.00	1.00		170.00			
							0.00			
	Driver shankarappa house road	1	1	80.00	5.00		400.00			
	3rd main kempegowda nagara	1	1	200.00	4.30		860.00			
	2nd main kempegowda nagara	1	1	170.00	4.20		714.00			
	Saw mill cross road	1	1	165.00	4.20		693.00			
	Saw mill cross road	1	1	160.00	4.50		720.00			
	Saw mill cross road	1	1	64.00	5.50		352.00			
	KK road	1	1	470.00	5.40		2538.00			
						Total qty.	6727.00	sqm	11.66	78437.00
10	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density. 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work (PWDSR 2016-17, P.No.162, I No.21.11.6)									
	Driver shankarappa house road	1	1	80.00	1.00	0.05	4.00			
	3rd main kempegowda nagara	1	1	200.00	1.00	0.05	10.00			
	2nd main kempegowda nagara	1	1	170.00	1.00	0.05	8.50			
						Total qty.	22.50	cum	5237.46	117843.00
11	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (Pg.no.161, It.no.21.2)									
	Driver shankarappa house road	1	1	80.00	5.00		400.00			
	3rd main kempegowda nagara	1	1	200.00	4.30		860.00			
	2nd main kempegowda nagara	1	1	170.00	4.20		714.00			
	Saw mill cross road	1	1	165.00	4.20		693.00			
	Saw mill cross road	1	1	160.00	4.50		720.00			
	Saw mill cross road	1	1	64.00	5.50		352.00			
	KK road	1	1	470.00	5.40		2538.00			
						Total qty.	6277.00	sqm	3.18	19961.0

mix to work ... laying with paver finisher to the required grade, level and alignment . Rolling ... binder and filler, transporting the hot ... using crushed with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with Mechanical paver Gr -II (30mm to 45mm) with 6% VG-Bitumen (P-165, It, 21.22.2.)

	Driver shankarappa	1	1	80.00	5.00	0.04	16.00			
	3rd main kempegowda	1	1	200.00	4.30	0.04	34.40			
	2nd main kempegowda	1	1	170.00	4.20	0.04	28.56			
	Saw mill cross road	1	1	165.00	4.20	0.04	27.72			
	Saw mill cross road	1	1	160.00	4.50	0.04	28.80			
	Saw mill cross road	1	1	64.00	5.50	0.04	14.08			
	KK road	1	1	470.00	5.40	0.04	101.52			
						Total qty.	251.08	cum	7270.54	1825487.00
13	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. PWD SR 2016-17 [P.No.185-I.No.24.15]									
	Driver shankarappa	1	1	80.00	0.15		12.00			
	Saw mill cross road	1	1	64.00	0.15		9.60			
	KK road	1	1	470.00	0.15		70.50			
						Total qty.	92.10	sqm	542.72	49985.00
									Sub Total	2968392.00
							Qc Charges 1%+Miscelleneous and rounding off			31608.00
									Total	3000000.00

(Rupees Thirty Lakhs Only)

CERTIFICATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*

2 *Certified that the work is not spli*

3 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*

4 *Certified that Adequate & necessary provisions have made in the estimate.*

5 *Certified that the above area comes under BBMP limit*

6 *This Work is not included in any other work taken up*

Asst Engineer
Ward-15

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

ನಂ: JC/D/AS/PR/111/16-17 ದಿನಾಂಕ : 28/3/17
ರೂ. Thirty lakhs Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/2017-18 ದಿನಾಂಕ : 19/04/2017
ರೂ. Rs 30.00 lakhs
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ

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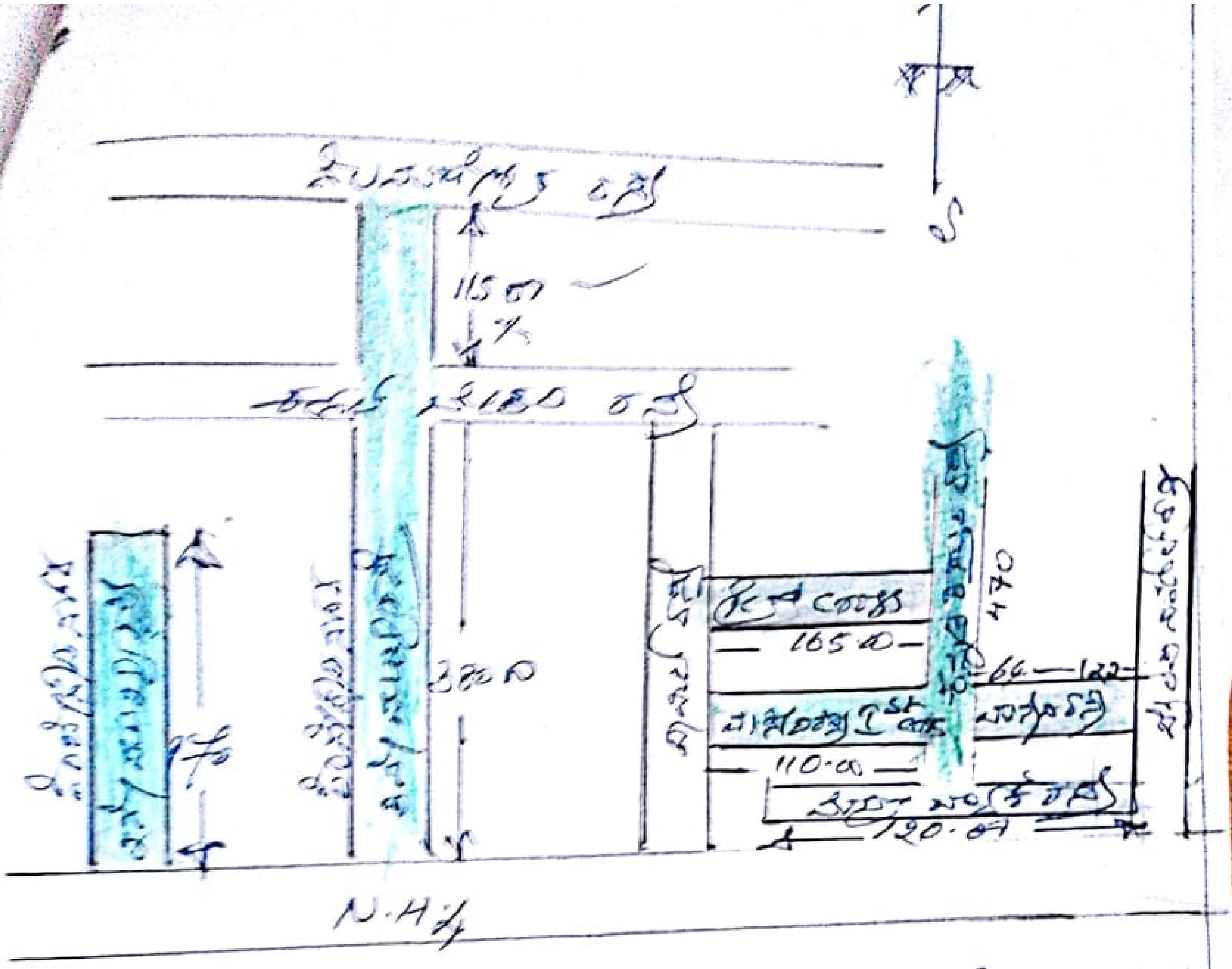

K.K ರಸ್ತೆ 470

Name of work:- Improvements & Asphalt top Road from NH4 to Neloramaheswari temple Road on 2nd & 3rd main Kempegowda Nagara in Dasarahalli Ward No 15